

PTO/SB/08B (07-05)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/656,684
Filing Date	September 5, 2003
First Named Inventor	Jeff Miller
Art Unit	1712
Examiner Name	TUCKER, PHILIP C.
Attorney Docket Number	HALB:045

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PT	ZA	Litigation Documents regarding related U.S. Patent No. 6,887,832 B2, issued May 3, 2005, being filed herewith in accord with MPEP 2001.06(c)	

Examiner  
Signature

P. TUCKER

Date  
Considered

9/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PAGE 7/7 \* RCVD AT 9/23/2004 12:32:26 AM [Eastern Daylight Time] \* SVR:USPTO-EF-XRF-1/1 \* DNIS:8729306 \* CSID:713 658 9410 \* DURATION (mm:ss):02:48

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	1
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**Complete if Known**

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<b>Filing Date</b>	September 5, 2003
<b>First Named Inventor</b>	Jeff Miller
<b>Art Unit</b>	1712
<b>Examiner Name</b>	To be Assigned
<b>Attorney Docket Number</b>	HALB:045

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

P. Tucker

Date Considered

11/05

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Sheet 1 of 1

<b>FORM PTO-1449</b> (Modified 10-2003)  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> 2001-IP-003024U1P3	<b>SERIAL NO.</b> 10/656,684
	<b>APPLICANT</b> Jeff Kirsner et al.	
	<b>FILING DATE</b> September 5, 2003	<b>GROUP</b> 1712

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
P	AA	US 2003/0144153 A1	07/31/03	Krisner et al.	507	100	
P	AB	US 2003/0064897 A1	04/03/03	Kirnser et al.	507	100	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AR							
	AS							
	AT							

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

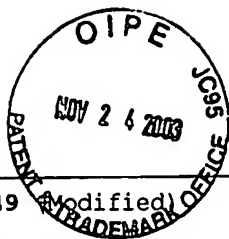
	AU		
	AV		
	AW		

EXAMINER

DATE CONSIDERED

*P. Tucker**11/05*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

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	APPLICANT Jeff Kirsner et al.	
	FILING DATE September 5, 2003	GROUP unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
P P P	AL	WO 02/053676 A1	07/11/02	PCT	CO9K	7/06	X	
	AM	WO 02/053675 A1	07/11/02	PCT	CO9K	7/06	X	
	AN	EP 1 111 024 A1	06/27/01	Europe	CO9K	7/06	X	
	AO							
	AP							
	AR							
	AS							
	AT							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	
	AV	
	AW	

EXAMINER

P. Tucker

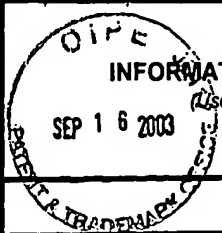
DATE CONSIDERED

11/05

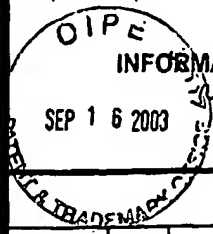
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin-right: 10px; text-align: center;"> DIPE SEP 16 2003 </div> <div> <b>INFORMATION DISCLOSURE CITATION</b>  <small>(Use several sheets if necessary)</small> </div> </div>				ATTY DOCKET NO. <b>HALB:045</b>		SERIAL NO. <b>10/656,684</b>		
				Jeff Miller and Jeff Kirsner				
				FILING <b>September 5, 2003</b>		GROUP		
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
PT	AA	4,508,628	04/02/1985	Walker, et al.	252	8.5	05/19/1983	
	AB	5,333,698	08/02/1994	Van Slyke	175	63	05/21/1993	
	AC	5,846,913	12/08/1998	Sawdon	507	103	03/17/1997	
	AD	5,635,457	06/03/1997	Van Slyke	507	103	04/17/1995	
	AE	4,012,329	03/15/1977	Hayes et al.	252	8.5P	09/22/1975	
	AF	5,237,080	08/17/1993	Daute et al.	554	213	07/10/1980	
	AG	5,330,662	07/19/1994	Jahnke et al.	252	8.551	03/17/1992	
	AH	6,090,754	07/18/2000	Chan et al.	507	110	07/18/2000	
	AI	6,001,790	12/14/1999	Schmitt et al.	C11D 1	722	12/17/1997	
	AJ	5,403,508	04/04/1995	Reng et al.	C11D 1	825	05/13/1993	
PT	AK	5,308,401	05/03/1994	Geke, et al.	134	2	04/30/1991	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PT	AL	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06		
	AM	EP 0 134 173	03/13/85	Europe	C09K	7/06		✓
PT	AN	WO 83/0249	09/01/1983	PCT	C09K	7/06		
PT	AO	GB 2,287,052 B	03/13/1996	United Kingdom	C09K	7/06		
	AP	DE 196 43 857	05/07/1998	Germany	C09K	BQ1F		✓
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
PT	AQ	"Neodol 1", "Neodol 1-9", "Neodol 135-3E", "Neodol 135-7E", "Neodol 23", "Neodol 23-1", "Neodol 23-1.1E", "Neodol 23-2.2E", "Neodol 23-2E", "Neodol 23-3", "Neodol 23-3E", "Neodol 23-6.5", "Neodol 23-6.5E", "Neodol 23E", "Neodol 25", "Neodol 25-2.5E", "Neodol 25-3", "Neodol 25-3E", "Neodol 25-7", "Neodol 25-7E", "Neodol 45", "Neodol 45-4E", "Neodol 45E", "Neodol 79E", "Neodol 91", "Neodol 91.2.5E", "Neodol 91-5E", "Neodol 91-6E", "Neodol 91-8", "Neodol 91-8E", "Neodol 91E", "Neodol 25-9", "Neodol 25-9E", "Neodol 25E", "Neodol 45-5E",						
PT	cont'd	"Neodol 45-7 E", Product Data Sheets, SHELL CHEMICALS, Retrieved from the internet: URL: <a href="http://www.shellchemicals.com/neodol">http://www.shellchemicals.com/neodol</a> , retrieved on 2003-09-13, each data sheet comprising two pages.						
EXAMINER <b>P. TUCKER</b>				DATE CONSIDERED <b>11/05</b>				

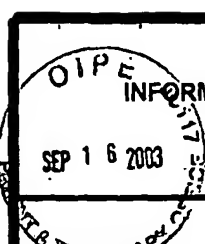
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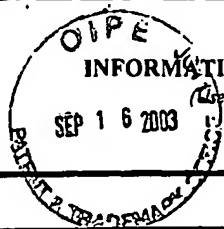
 <p><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</p>				ATTY DOCKET NO. <b>HALB:045</b>		SERIAL NO. <b>10/656,684</b>		
				Jeff Miller and Jeff Kirsner				
				FILING <b>September 5, 2003</b>		GROUP		
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
P	AR	6,110,874	08/29/2000	Van Slyke	507	103	09/04/1998	
	AS	6,107,255	08/22/2000	Van Slyke	507	103	09/04/1998	
	AT	6,034,037	03/07/2000	Van Slyke	507	103	01/07/1999	
	AU	5,958,845	09/28/1999	Van Slyke	507	103	01/29/1996	
	AV	5,254,531	10/19/1993	Mueller et al.	507	131	01/21/1992	
	AW	5,929,297	07/27/1999	Theriot et al.	585	525	09/25/1997	
	AX	5,877,378	03/02/1998	Overstreet et al.	585	637	09/15/1997	
	AY	5,849,974	12/15/1998	Clarembau et al.	585	668	01/28/1997	
	AZ	5,589,442	12/31/1994	Gee et al.	507	103	06/07/1995	
	BA	5,744,677	04/28/1998	Wu	585	512	07/14/1992	
P	BB	5,569,642	10/29/1996	Lin	507	103	02/16/1998	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
P	BC	GB 2,309,240 A	07/23/1997	United Kingdom	C09K	7/06		
	BD	DE 196 43 840 A	07/05/1998	Germany	E 21 B	21/14		✓
P	BE	WO 98 23491 A	11/25/1993	PCT	C09K	7/06		
	BF	DE 40 18 228 A	12/12/1991	Germany	C09K	7/06		✓
	BG	DE 44 20 455 A	12/14/1995	Germany	C09K	7/00		✓
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
P	BH	"Altonic product sheet", CONDEA, 'Online! XP 002164097; Retrieved from the Internet: URL: <a href="http://www.condea.de/products/surfactanta/surfactanta_nonionic/alfonic.html">http://www.condea.de/products/surfactanta/surfactanta_nonionic/alfonic.html</a> ," retrieved from the internet on 2001-03-29, page 1-page 4.						
P	BI	"Tergitol NP9", "Tergitol 15-S-9", "Tergitol 15-S-7", "Tergitol NP-10", "Tergitol T1135", "Tergitol TMN-6", "Tergitol NP-4", "Tergitol 15-S-5", "Tergitol 15-S-12", "Tergitol T1260", "Tergitol NP-7", "Tergitol TMN-10", "Tergitol TMN-3", "Tergitol TMN 6", Tergitol 15-S-30", "Tergitol NP-40", retrieved from the internet on 2003-09-13: <a href="http://www.sigmaaldrich.com/cgi-bin/hsrun/Distributed/HahtShop/HAHTpage/HS_CatalogSearch?Scope=NameSearch&amp;Query=tergitol&amp;Collection=rescatalog&amp;CurPage=1,2">http://www.sigmaaldrich.com/cgi-bin/hsrun/Distributed/HahtShop/HAHTpage/HS_CatalogSearch?Scope=NameSearch&amp;Query=tergitol&amp;Collection=rescatalog&amp;CurPage=1,2</a> .						
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>M</i>	BJ	5,252,554	10/12/1993	Mueller et al.	507	138	01/21/1992	
	BK	5,232,910	08/03/1993	Mueller et al.	507	138	09/06/1991	
	BL	4,964,615	10/23/1990	Mueller et al.	507	243	05/23/1988	
	BM	5,837,655	11/17/1998	Halliday et al.	507	103	05/01/1996	
	BN	2,816,073	12/10/1957	Stratton	252	8.5	07/16/1956	
	BO	3,684,012	98/05/1972	Scheffel et al.	166	283	06/12/1970	
	BP	3,878,117	04/15/1975	Williams et al.	252	47	05/17/1973	
	BQ	3,912,683	10/14/1975	O'Farrell	260	29.7	07/12/1974	
	BR	3,954,627	05/04/1976	Dreher et al.	252	8.5 P	11/07/1973	
	BS	4,007,149	02/08/1977	Burton et al.	260	29.7	07/02/1975	
<i>M</i>	BT	4,012,329	03/15/1977	Hayes et al.	252	8.5 P	09/22/1975	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>M</i>	BU	WO 00 71241 A	11/30/2000	PCT	B01F	17/00		
	BV	EP 0 561 608 A	09/22/1993	Europe	C09K	7/06		
	BW	WO 99 50370 A	10/07/1999	PCT	C09K	3/00		
	BX	AU-B-75043/94	03/22/1995	Australia	C09K	7/06		
<i>M</i>	BY	EP 0 124 194 A2	11/07/1984	Europe	C09K	7/06		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
<i>M</i>	BZ	Chapter 13, Synthetic, Baroid Fluids Handbook, Revised August 1, 1997.						
<i>M</i>	CA	P.A. Boyd, D.L. Whitfill, T.S. Carter, and J.P. Allamon, New Base Oil Used in Low-Toxicity Oil Muds, 14 J. Petroleum Technology, 1985, pages 937-942.						
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<i>pb</i>	CB	4,148,821	04/10/1979	Nussbaum et al.	260	505 S	04/13/1976	
	CC	4,153,588	05/08/1979	Makowski et al.	260	23.5	11/29/1977	
	CD	4,390,474	06/28/1983	Nussbaum et al.	260	505 R	06/12/1980	
	CE	4,425,462	01/10/1994	Turner et al.	524	400	09/13/1982	
	CF	4,447,338	05/08/1984	Lundberg et al.	252	8.5M	08/12/1981	
	CG	4,488,975	12/18/1984	Almond	252	8.55 R	12/13/1982	
	CH	4,552,215	11/12/1985	Almond et al.	166	278	09/26/1984	
	CI	4,553,601	11/19/1985	Almond et al.	166	308	11/19/1985	
	CJ	4,671,883	06/09/1987	Connell et al.	252	8.515	07/12/1985	
	CK	4,787,990	11/29/1988	Boyd	252	8.511	02/04/1983	
<i>A</i>	CL	4,810,355	03/07/1989	Hopkins	208	58	03/31/1988	
<b>FOREIGN PATENT DOCUMENTS</b>								
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							YES	NO
<i>A</i>	CM	WO 95/21225	08/11/1985	PCT	C09K	7/00		
	CN	WP 95/09215	04/06/1995	PCT	C09K	7/00		
	CO	EP 0 247 801 A2	12/02/1987	Europe	C09K	7/06		
	CP	EP 0 254 412	01/27/1988	Europe	C09K	7/06		
<i>A</i>	CQ	GB 2,166,782 A	05/14/1986	United Kingdom	C09K	7/06		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
<i>19</i>	CR	Friedheim, J.E., "Second-Generation Synthetic Drilling Fluids," SPE Distinguished Author Series: Dec. 1981-Dec. 1983.						
<i>22</i>	CS	David Power, Jim Friedheim and Bret Toups, M-I L.L.C., "Flat Rheology SBM Shows Promise in Deepwater, Drilling Contractor, pages 44-45 (May/June 2003).						
EXAMINER <i>P. Tucker</i>				DATE CONSIDERED <i>11/05</i>				

				ATTY DOCKET NO. HALB:045		SERIAL NO. 10/656,684		
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PT	CT	4,900,456	02/13/1990	Ogilvy	252	8.551	12/01/1988	
	CU	5,045,219	09/03/1991	Trahan et al.	252	8.51	11/22/1988	
	CV	5,189,012	02/23/1993	Patel et al.	507	103	06/08/1990	
	CW	5,333,698	08/02/1994	Van Slyke	175	65	05/21/1993	
	CX	5,432,152	07/11/1995	Dawson et al.	507	103	08/16/1994	
	CY	5,498,596	03/12/1996	Ashjian et al.	507	103	09/29/1993	
	CZ	4,802,998	02/07/1989	Mueller et al.	252	8.514	07/08/1987	
	DA	5,106,516	04/21/1992	Mueller et al.	507	138	02/09/1990	
	DB	5,252,554	10/11/1993	Mueller et al.	507	138	01/21/1992	
	DC	5,318,954	06/07/1994	Mueller et al.	507	138	06/29/1993	
PT	DD	5,318,955	06/07/1984	Mueller et al.	507	139	03/24/1993	
<b>FOREIGN PATENT DOCUMENTS</b>								
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PT	DE	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06		
PT	DF	WO 83/02949	09/01/1983	PCT	C09K	7/06		
PT	DG	WO 94/16030	07/21/1994	PCT	C09K	7/06		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
PT	DH	"BIO-BORE" (TM) Horizontal Directional Drilling Fluid Concentrate, Baroid Industrial Drilling Products data sheet (1995)						
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## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HALB:045

Application Number

10/656,684

Applicant(s)

Jeff Miller and Jeff Kirsner

Filing Date

September 5, 2003

Group Art Unit

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ff	DI	5,318,956	06/07/1994	Mueller et al.	507	139	04/29/1993
	DK	5,403,822	04/04/1995	Mueller et al.	507	138	05/27/1993
	DL	5,441,927	08/15/1995	Mueller et al.	507	138	11/09/1994
	DM	5,508,258	04/16/1996	Mueller et al.	507	135	04/28/1995
	DN	5,607,901	03/04/1997	Toups, Jr. et al.	507	103	02/17/1995
	DO	RE 36,066	01/26/1999	Mueller et al.	507	138	09/06/1991
	DP	5,868,434	02/09/1999	Mueller et al.	507	110	06/06/1995
	DQ	5,909,779	06/08/1999	Patel et al.	175	50	06/30/1998
	DR	6,022,833	02/08/2000	Mueller et al.	507	203	09/18/1997
	DS	6,165,946	12/26/2000	Mueller et al.	507	203	10/21/1997
PT	DT	6,180,572 B1	01/30/2001	Mueller et al.	507	209	12/06/1996

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

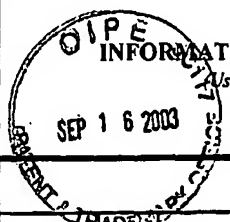

EXAMINER

P. TUCKER

DATE CONSIDERED

11/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</p>				Docket Number (Optional) <b>HALB:045</b>		Application Number <b>10/656,684</b>	
				Applicant(s) <b>Jeff Miller and Jeff Kirsner</b>			
				Filing Date <b>September 5, 2003</b>		Group Art Unit	
				<b>U.S. PATENT DOCUMENTS</b>			

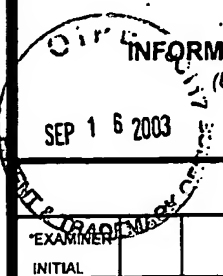
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PT	DU	5,869,434	02/09/1999	Mueller et al.	507	110	06/06/1995
	DV	6,211,119 B1	04/03/2001	Herold et al.	507	103	11/10/1997
	DW	6,515,031	02//04/2003	Fefer	516	73	02/13/2001
	DX	5,407,909	04/18/1995	Goodhue, Jr. et al.	507	118	02/19/1993
	DY	5,552,462	09/03/1996	Yeh	524	55	11/22/1993
	DZ	4,619,772	10/28/1986	Black et al.	252	8.514	05/23/1982
	EA	4,473,479	09/25/1984	Block	252	8.5 A	12/06/1982
	EB	4,428,845	01/31/1984	Block	252	8.5 A	12/02/1981
	EC	4,422,947	12/27/1983	Dorsey et al.	252	8.5 C	12/19/1980
	ED	4,366,070	12/28/1982	Block	252	8.5 A	02/27/1981
PT	EF	4,264,455	04/28/1981	Block	252	8.5 B	10/28/1978

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
PT	EG David D. Wilson, "Something New in Environmental Horizontal Installation," Innovations in Drilling, WWJ, February 1996, pages 27-28.
PT	EH Daniel B. Oakley, "Environmental Horizontal Well Installation and Performance: Lessons Learned," Horizontal News, DOE Dept. of Technology Development, Volume 1, No. 2, Fall 1995, pages 7 and 9.

EXAMINER <div style="text-align: center; font-size: 1.5em;">P. TUCHER</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em;">11/05</div>
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<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  <p><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</p> </div> <div style="text-align: right;"> <p>ATTY DOCKET NO. <b>HALB:045</b></p> <p>SERIAL NO. <b>10/656,684</b></p> </div> </div>				<p>Jeff Miller and Jeff Kirsner</p>			
				<p>FILING <b>September 5, 2003</b></p>		<p>GROUP</p>	
				<p><b>U.S. PATENT DOCUMENTS</b></p>			

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>PR</i>	EI	4,255,268	03/10/1981	Block	252	8.5 B	07/14/1978
	EJ	4,240,915	12/23/1980	Block	252	8.5 B	07/13/1978
	EK	4,151,096	04/24/1979	Jackson	252	8.5 A	12/19/1977
	EL	3,988,246	10/26/1976	Hartfiel	252	8.5 A	05/24/1974
	EM	5,591,699	01/07/1997	Hodge	507	213	12/21/1994
	EN	4,559,233	12/17/1985	Chen et al.	426	104	12/30/1983
	EO	4,670,501	06/02/1987	Dymond et al.	524	458	05/16/1985
	EP	4,777,200	10/11/1988	Dymond et al.	524	458	10/28/1986
	EQ	5,851,958	12/22/1998	Halliday et al.	507	103	10/08/1997
	ER	5,605,879	02/25/1997	Halliday et al.	507	103	02/25/1997
<i>PR</i>	ES	US 6,451,953 B1	09/17/2002	Albright	526	348	12/18/1997

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>PR</i>	ET	Mac Seheult, Len Grebe II, J.E. Traweck, Jr., Mike Dudley, "Biopolymer Fluids Eliminate Horizontal Well Problems," WORLD OIL, January 1990, Gulf Publishing Co., Houston, Texas.
<i>PR</i>	EU	Bob Byrd, Mario Zamora, "Fluids are Key in Drilling Highly Deviated Wells," Petroleum Engineer International, pages 24-26 (February 1988)

EXAMINER <i>P. TUCKER</i>	DATE CONSIDERED <i>11/05</i>
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